

In re Application of PARUPUDI et al.
Serial No. 09/256,624

Listing of the Claims:

1-14. (Canceled)

15-22. (Withdrawn)

23-30. (Canceled)

31-43. (Withdrawn)

44. (Previously presented): A system for providing notifications of computer system events to clients, comprising:

a registration mechanism for clients to register for notification of one or more types of events, including at least one client registered for network connectivity event notification;

a central service configured to monitor for system events including at least one system event corresponding to whether network connectivity has changed state and to fire at least one event notification in response thereto, including at least one event notification when a network connection is established, the central service including a plurality of time-based caches for caching network information and a mechanism for evaluating differences between at least two of the caches to determine a connectivity state of a network; and

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a distribution mechanism that communicates the at least one fired event notification to each client registered for notification thereof based on the type of event.

45. (Previously presented): The system of claim 44 wherein the time-based caches maintain counts corresponding to network activity.

46. (Previously presented): The system of claim 45 wherein the counts corresponding to network activity include counts of incoming packets, outgoing packets, incoming errors and outgoing errors.

47. (Previously presented): The system of claim 46 wherein the mechanism for evaluating the caches determines that the connectivity state of the network is true if the incoming packet counts have increased based on at least one difference in the packet counts between at least two of the caches.

48-51. (Canceled)

52. (Previously presented): A system for providing notifications of computer system events to clients, comprising:

a registration mechanism for clients to register for notification of one or more types of events;

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a central service configured to monitor for system events and to fire at least one event notification in response thereto, the central service including a plurality of time-based caches for caching network information and a mechanism for evaluating differences between at least two of the caches to determine a connectivity state of a network; and

a distribution mechanism that communicates the at least one fired event notification to each client registered for notification thereof based on the type of event.

53. (Previously presented): The system of claim 52, wherein at least one client registers for notification of changes in network connectivity and wherein the central service fires an event notification notifying the at least one client when the connectivity state of the network changes.

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54. (Currently amended): A computer-readable medium having computer-executable instructions, comprising:

- receiving system information at a central service;
- generating an event notification based on the information when a specified destination is reachable within specified Quality of Connection parameters;
- determining a client to send the event notification to based on a filter, the client having previously subscribed to the event notification, the client indicating further conditions other than the filter for receiving the event notification, the filter matching events to subscribers; and
- if the filter matches the event notification to the client, sending the event to the client only if the further conditions have also been met.

55. (Previously presented): The computer-readable medium of claim 54, wherein the event notification relates to battery charge, and wherein the further conditions indicate that the client is only notified if the battery charge decreases below a selected percentage.

56. (Previously presented): The computer-readable medium of claim 54, wherein the further conditions comprise that the client be currently executing to receive the event notification.

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57. (Previously presented): The computer-readable medium of claim 54, wherein the further conditions comprise that the client be activated when the event notification is generated.

58. (Canceled)